

MONMOUTH UNIVERSITY

Office of the Registrar

2016*2017 Sequence Chart

BY.EDE.BS.16

**B.S. IN BIOLOGY AND EDUCATION WITH AN
ENDORSEMENT IN ELEMENTARY EDUCATION**

SEMESTER 1

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|------------------|-----------------|----------------------------|-------------|
| EN101 | YES | | COLL COMP I | 3.0 |
| MA115 or 116 or 117 | YES | | SEE CURRICULUM CHART | 3.0 |
| CE111/ CE111L | YES | NS | GEN. CHEMISTRY I & LAB | 4.0 |
| FY101 | YES | | FIRST YEAR SEMINAR | 3.0 |
| BY110 | YES | | INTRO. TO BIO. CELL MOLEC. | 4.0 |
| SEMESTER CREDITS | | | | 17.0 |

SEMESTER 2

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|------------------|-----------------|----------------------------|-------------|
| EN102 | YES | | COLLEGE COMPOSITION 2 | 3.0 |
| EDL201 | | | EDUCATIONAL PSYCHOLOGY | 3.0 |
| CE112/ CE112L | YES | NS | GEN. CHEMISTRY II & LAB | 4.0 |
| BY109 | YES | | INTRO. BIODIVERSITY EVOLU. | 4.0 |
| IT102 | YES | TL | INFO. TECH. FOR SCIENTISTS | 3.0 |
| SEMESTER CREDITS | | | | 17.0 |

SEMESTER 3

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|------------------|-----------------|---|-------------|
| xxx | YES | SS.SV | GEN*ED SOCIAL SCIENCE | 3.0 |
| ED250 | | | FOUND OF TEACH. & LEARN. | 3.0 |
| CE241/ CE241L | | | SEE CURRICULUM CHART OR DEGREE AUDIT | 5.0 |
| BY205 | | | ZOOLOGY | 3.0 |
| BY223 | | | GENERAL MICROBIOLOGY | 4.0 |
| SEMESTER CREDITS | | | | 18.0 |

SEMESTER 4

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|------------------|-------------------|---|-------------|
| ED320 | YES | RD&WT | TEACH. STUD. WITH DIV. NEEDS | 3.0 |
| xxx | YES | HS.SV or SS.SV | GEN*ED HIST. PERSPECT. or SOCIAL SCIENCE | 3.0 |
| BY213 or BY214 | | | SEE CURRICULUM CHART or DEGREE AUDIT | 3.0 |
| CE242 | | | ORGANIC CHEMISTRY II | 3.0 |
| EDL326 | | | LIT. IN EDUC. SETTINGS | 3.0 |
| EDL206 | | | CHILD & ADOLESCENT DEVELOP. | 3.0 |
| SEMESTER CREDITS | | | | 18.0 |

SEE CURRICULUM CHART or DEGREE AUDIT FOR COMPLETE TITLE OF ALL COURSES. BE CERTAIN TO CONSULT WITH YOUR ADVISOR.

SEE WEBadvisor "SECTIONS OFFERED BY TERM" FOR COMPLETE LISTING OF COURSES WITH ASSOCIATED COURSE*TYPES.

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SEMESTER 5

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|------------------------------------|-------------|
| BY310 | | | BIOCHEMISTRY & LABORATORY | 4.0 |
| PH105/PH105L | | | PHYSICS FOR LIFE SCI. I & LAB | 4.0 |
| ED361 | | | TEACH. ELEM. SCIENCE | 3.0 |
| EDL327 | YES | WT | LIT. INSTR. K-6, EDUC. SETT., II | 3.0 |
| BYxxx | | | BIOLOGY ELECTIVE (SEE CURR. CHART) | 3.0 |
| SEMESTER CREDITS | | | | 17.0 |

SEMESTER 7

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|------------------------------------|-------------|
| xxx | YES | CD | GEN*ED CULTURAL DIVERSITY | 3.0 |
| HSxxx | YES | HS.SV | GEN*ED HISTORICAL PERSPEC. | 3.0 |
| xxx | YES | GU | GEN*ED GLOBAL UNDERSTAND. | 3.0 |
| BYxxx | | | BIOLOGY ELECTIVE (SEE CURR. CHART) | 3.0 |
| BY423 | | | GENETICS | 4.0 |
| SEMESTER CREDITS | | | | 16.0 |

SEMESTER 9

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|------------------------------|-------------|
| ED416 | YES | EX | STUDENT TEACHING | 8.0 |
| ED416S | | | SEMINAR | 1.0 |
| xxx | YES | ISP | GEN*ED INTERDISCIP. PERSPEC. | 3.0 |
| SEMESTER CREDITS | | | | 12.0 |

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SEMESTER 6

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|--------------------------------|-------------|
| ED360 | | | TEACH. ELEM. MATH | 3.0 |
| PH106/PH106L | | | PHYSICS FOR LIFE SCI. II & LAB | 4.0 |
| BY370 | | | CELL BIOLOGY | 3.0 |
| MA151 | YES | | STATISTICS | 3.0 |
| ED362 | | | TEACH. ELEM. SOC. STUDIES | 3.0 |
| SEMESTER CREDITS | | | | 16.0 |

SEMESTER 8

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|------------------------------------|-------------|
| ENxxx | YES | LIT | GEN*ED LITERATURE | 3.0 |
| BY495 | YES | RD | SENIOR SEMINAR | 1.0 |
| BY425 | | | PRINCIPLES OF DEVELOP. BIO. | 4.0 |
| BYxxx | | | BIOLOGY ELECTIVE (SEE CURR. CHART) | 2.0 |
| AR,MU,DA or TH | YES | AT | GEN*ED AESTHETICS | 3.0 |
| BY375L | YES | RD | MOLECULAR & CELL BIO. LAB | 3.0 |
| SEMESTER CREDITS | | | | 16.0 |